



PATENT  
1560-0377P

2855  
#5  
7K  
01/16/03  
RECEIVED  
JAN 13 2003  
TECHNOLOGY CENTER 2800

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Yoshitomo TOKUMOTO, et al. Conf.:  
Appl. No.: 10/081,518 Group:  
Filed: February 25, 2002 Examiner:  
For: ROTATIONAL ANGLE DETECTING DEVICE,  
TORQUE DETECTING DEVICE AND STEERING  
APPARATUS

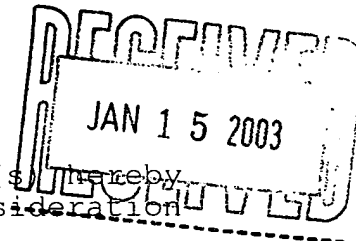
INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION AFTER FILING OF AN APPLICATION  
BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE  
OR CONCURRENTLY WITH A RULE 53(d) CPA APPLICATION  
OR WITH A RULE 1.114 RCE APPLICATION)

Assistant Commissioner for Patents  
Washington, DC 20231

January 10, 2003

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby  
submit(s) an Information Disclosure Statement for consideration  
by the Examiner.



I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted  
for consideration by the Office are listed on the PTO-1449(s),  
attached hereto.

II. COPIES (check at least one box)

- a. ☒ Submitted herewith is a legible copy of (i) each  
U.S. and foreign patent; (ii) each publication or  
that portion which caused it to be listed; and  
(iii) all other information or that portion which  
caused it to be listed.
- b. ☒ Some or all of the documents listed on the PTO-  
1449 are not enclosed because they were cited in  
the International Search Report and copies should  
already be in the PTO file. If copies are needed,  
please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☒ **OTHER**

The following additional information is provided for the Examiner's consideration.

Also a separate 1449-Form is attached. The documents listed on this 1449-Form were considered in the parent application 09/719,003.

FEES

IV. ☒ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b):  
(check one box)

- a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required. (This section is not to be used with RCE's and CPA's).
- b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required.
- c. ☐ concurrently with the filing of a Continued Prosecution Application under 37 C.F.R. § 1.53(d) or concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.
- d. ☒ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required.  
In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):  
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

- a. ☐ No statement; therefore, a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).  
or
- b. ☐ See the statement below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p) is enclosed for the above-identified fee.
- ☐ Please charge Deposit Account No. 02-2448 in the amount required by 37 C.F.R. § 1.17(p) for the above-indicated fee. A triplicate copy of this paper is attached.
- ☒ No fee is required.

Appl. No. 10/081,518

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

Michael K. Mutter, #29,680

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

MKM:EAG/kdb  
1560-0377P

Enclosures: ☒ PTO-1449  
☒ Documents  
☐ Foreign Search Report  
☐ Fee  
☐ Other:

(Rev. 01/03/03)



## CERTIFICATION

I, Kohno Takao; 4-3 Tsurigane-cho, 2-chome, Chuo-ku, Osaka 540-0035 JAPAN, hereby certify that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.



**KOHNO Takao**

Dated this 20th day of December, 2002

RECEIVED  
JAN 13 2003  
TECHNOLOGY CENTER 2800



Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

PATENT DOCKET NO.  
1560-0377PAPPLICATION NO.  
10/081,518APPLICANT  
TOKUMOTO, et al.FILING DATE  
February 25, 2002

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 6,363,797	B1	2002-04-02	Tokumoto			
	US 5,239,490	A	1993-08-24	Masaki et al.			
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						

RECEIVED  
JAN 13 2003  
TECHNOLOGY CENTER 2800

**FOREIGN PATENT DOCUMENTS**

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	EP	1087218	A1	2001-03-28	EUROPE				

**OTHER DOCUMENTS**

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY

Sheet 1 of 1 (1/10/03)

Form PTO-1449

ATTY DOCKET NO.  
1560-0352PAPPLICATION NO.  
09/719,003**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

APPLICANT  
TOKUMOTO, et al.FILING DATE  
December 7, 2000

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 3,587,305		1971-06-28	Parkinson et al.			
	US 4,764,767		1988-08-16	Ichikawa et al.			
	US 4,122,709		1978-10-31	Brown et al.			
	US 5,313,845		1994-05-01	Hayashi et al.			
	US 5,315,881		1994-05-01	Savage et al.			
	US 5,442,966		1995-08-01	Hase et al.			
	US 5,585,574		1996-12-01	Sugihara et al.			
	US 4,874,053		1989-10-01	Kimura et al.			
	US						
	US						

**FOREIGN PATENT DOCUMENTS**

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	JP	122229	A2	1990-05-09	JAPAN				
	JP	424530	A	1992-01-28	JAPAN				
	JP	511445	Y2	1993-03-22	JAPAN				
	JP	423133	A6	1989-01-25	JAPAN				
	JP	1282987		1968-11-14	JAPAN				
	JP	665967	B2	1994-08-24	JAPAN				
	JP	152312	A1	1989-06-14	JAPAN				

**OTHER DOCUMENTS**

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)


RECEIVED  
JAN 13 2003  
TECHNOLOGY CENTER 2800

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

MKM:EAG/kdb

COPY